

Abstract

An extrusion apparatus and method, and a tubular product
5 and a pipe made of several different materials.

The extrusion apparatus according to the invention
comprises at least one stator (1, 6, 10), at least one
rotor (2, 2a, 2b), and at least one annular feed gap (3)
situated between the stator (1, 6, 10) and the rotor (2,
10 2a, 2b). The diameter of the feed gap (3) decreases at
least partly continuously in the direction of flow of the
plastic material to be extruded, and its diameter also
increases continuously at least at a section of its length
in the aforementioned direction of flow. With such a
15 construction, the pressure acting on the structure of the
extrusion apparatus can be considerably balanced, i.e. the
apparatus can be made more durable.

The invention also relates to a tubular product and a pipe
made of several different materials.

20 (Figure 1)